

- Chang, M.C., Chow, J.C., Watson, J.G., 2004. Characterization of particulate emissions from casting processes using a dilution sampling system. A preliminary study to optimize the dilution sampling system in a foundry process, draft report. Prepared for Technikon LLC, McClellan, CA, by Desert Research Institute, Reno, NV.
- Chow, J.C., 2004. Initial data analysis of CRPAQS field program measurement - Interim status report. Prepared for California Air Research Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- CARB (California Air Resources Board), 2003. The 2003 California Almanac of Emissions and Air Quality. <http://www.arb.ca.gov/aqd/almanac/almanac03/almanac03.htm>.
- Rinehart, L.R., Cunningham, A., Chow, J.C., Zielinska, B., 2003. Characterization of PM<sub>2.5</sub> associated organic compounds of emission sources collected during the California Regional PM<sub>10</sub>/PM<sub>2.5</sub> Air Quality Study. *96th Annual Meeting of the Air & Waste Management Association*, San Diego, CA.
- Air Resources Board, 2002. Central California air quality studies: Data access and lookups. California Air Resources Board, Sacramento, CA. <http://www.arb.ca.gov/airways/datamaintenance/default.asp>.
- Bay Area Air Quality Management District, 2002. Ambient air quality standards and Bay Area attainment status. Bay Area Air Quality Management District, San Francisco, CA. <http://www.baaqmd.gov/planning/resmod/baas.htm>.
- California Air Resources Board, 2002. Central California Air Quality Studies homepage. California Air Resources Board, Sacramento, CA. <http://www.arb.ca.gov/airways/caaqs.htm>.
- Countess, R.J., 2002. Quantifying the contribution of fugitive geological dust to ambient PM<sub>10</sub> and PM<sub>2.5</sub> concentrations in the San Joaquin Valley, Final report. Report No. Agreement No. 60157. Prepared for San Joaquin Valley Unified APCD, by Countess Environmental, Westlake Village, CA.
- Gemmill, D.B., 2002. Draft Quality Assurance Audit Report - Fresno Supersite. University of California, College of Engineering—Center for Environmental Research and Technology, Riverside, CA.
- Watson, J.G., Chow, J.C., Hering, S.V., Fitz, D.R., 2002. Final report for Phase I of Fresno supersite measurements. Prepared for Cooperative Institute for Atmospheric Sciences and Terrestrial Applications, Las Vegas, NV, by Desert Research Institute, Reno, NV.
- Countess, R.J., Barnard, W.R., Claiborn, C.S., Gillette, D.A., Latimer, D.A., Pace, T.G., Watson, J.G., 2001. Methodology for estimating fugitive windblown and mechanically resuspended road dust emissions applicable for regional scale air quality modeling. Report No. 30203-9. Western Regional Air Partnership, Denver, CO. <http://wrapair.org>.
- England, G.C., Wien, S., Zimperman, R., Zielinska, B., McDonald, J., 2001. Gas fired steam heater test report site C: Characterization of fine particulate emission factors and speciation profiles from stationary petroleum industry combustion sources. Report No. 4712. American Petroleum Institute, Washington, DC. <http://api-ep.api.org/filelibrary/ACF4B.pdf>.
- England, G.C., Wien, S., Zimperman, R., Zielinska, B., McDonald, J., 2001. Gas fired heater test report site B: Characterization of fine particulate emission factors and speciation profiles from stationary petroleum industry combustion sources. Report No. 4704. American Petroleum Institute, Washington, DC. <http://api-ep.api.org/filelibrary/ACF4B.pdf>.
- Motallebi, N., Croes, B.E., Taylor, C.A., Jr., Hackney, R., Setiawan, W., Turkeiwicz, K., 2001. Spatial and temporal patterns of PM<sub>2.5</sub>, coarse PM, and PM<sub>10</sub> in California. In preparation.

- O'Brien, G.F., Hughes, V.M., 2001. Designing a data management system for the Central California Air Quality Studies. *94<sup>th</sup> Annual Meeting of the Air and Waste Management Association*, Orlando, FL.
- Ashbaugh, L.L., Carvacho, O.F., Brown, M.S., Flocchini, R.G., 2000. Characteristics of PM<sub>10</sub> dust from soil sources in California's San Joaquin Valley. *PM-2000 Particulate Matter and Health: The Scientific Basis for Regulatory Decisions*. Air and Waste Management Association, Charleston, SC.
- Crescenti, G.H., Hukari, N.F., Johnson, R.C., Strong, T.W., Beard, S.A., 2000. Surface and upper-air meteorological data acquired during the Central California Ozone Study (CCOS). Report No. NOAA Data Report OAR ARL-21. NOAA, Air Resources Laboratory, Silver Springs, MD.
- Dye, T.S., MacDonald, C.P., Anderson, C.B., 2000. Air quality forecasting for the SPARE the Air Program in Sacramento, California: Summary of four years of ozone forecasting. *11th Joint Conference on the Applications of Air Pollution Meteorology with the Air and Waste Management Association*, Long Beach, CA. <http://ams.confex.com/ams/annual2000/11airpollut/index.html>.
- Watson, J.G., Chow, J.C., Fitz, D.R., 2000. Quality assurance project plan - Fresno Supersite (Revision 0). Prepared for U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, by Desert Research Institute, Reno, NV.
- Watson, J.G., Chow, J.C., 2000. Reconciling urban fugitive dust emissions inventory and ambient source contribution estimates: Summary of current knowledge and needed research. Report No. 6110.4D2. Prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC, by Desert Research Institute, Reno, NV. <http://www.epa.gov/ttn/chief/efdocs/fugitivedust.pdf>.
- Alexis, A., Gaffney, P., Garcia, C., Nystrom, M., Rood, R., 1999. The 1999 California almanac of emissions and air quality. California Air Resources Board, Planning & Technical Support Div., Sacramento, CA.
- Dutcher, D.D., Chung, A., Kleeman, M.J., Miller, A.E., Perry, K.D., Cahill, T.A., Chang, D.P.Y., 1999. Instrument intercomparison study, Bakersfield, CA 1998-1999. Report No. 97-536. Prepared for Calif. Air Resources Board, Sacramento, CA, by University of California, Davis, CA.
- Fujita, E.M., Keislar, R.E., Freeman, D.L., Watson, J.G., Ranzieri, A.J., Tanrikulu, S., Magliano, K.L., 1999. Field study plan for the Central California Ozone Study. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Lehrman, D.E., Smith, T.B., Blanchard, C., 1999. San Joaquin Valley visibility and fine particle characteristics, and their impact on the Mojave Desert. Prepared for San Joaquin Valleywide Study Agency & Calif. Air Resources Board, by Technical & Business Systems, Inc., Santa Rosa, CA.
- Milliken, J., Shin, M., Hansen, D., Johnson, C., Sebhat, M., Zander, J., 1999. Central valley crop classification processing using remote sensing and GIS technologies. *Proceedings of the 1999 ESRI International User conference, San Diego*. ESRI, Redlands, CA.
- Watson, J.G., Coulombe, W.G., Egami, R.T., Casuccio, G.S., Hanneman, H.G., Badger, S., 1999. Causes of particle deposition in Davenport, California. Report No. 99-0954.1F2. Prepared for RMC LONESTAR, Davenport, CA, by Desert Research Institute, Reno, NV.
- Blanchard, C.L., Michaels, H.M., Tanenbaum, S.J., Fine, J., 1998. Spatial representativeness of monitoring sites and zones of influence of emission sources. Prepared for California Air Resources Board, Sacramento, CA, by ENVAIR, Albany, CA.
- California Air Resources Board, 1998. State of California Air Resources Board emissions inventory 1995. California Air Resources Board, Sacramento, CA. <http://arbis.arb.ca.gov/emisinv/95inven/95report.pdf>.

- Coe, D.L., Chinkin, L.R., 1998. Emission source activity detection: Analysis of CMB model results and daily activity data for IMS95. Report No. STI-997212-1775-DFR. Prepared for California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA.
- Collett, J.L., Hoag, K.J., Pandis, S.N., 1998. How does acidification of drops due to aqueous phase acid production limit aerosol formation in fog drops. Prepared for California Air Resources Board, Sacramento, CA, by Colorado State University, Atmospheric Science Department, Ft. Collins, CO.
- Collett, J.L., Hoag, K.J., Pandis, S.N., 1998. The influence of drop size-dependent fog chemistry on aerosol production and deposition in San Joaquin Valley fogs. Prepared for California Air Resources Board, Sacramento, CA, by Colorado State University, Atmospheric Science Department, Ft. Collins, CO.
- England, G.C., Wein, S., Zielinska, B., Loos, K., Crane, I., Ritter, K., 1998. Characterization of organic aerosol and PM<sub>2.5</sub> source emission profiles for petroleum industry combustion sources. *91st Annual Meeting of the Air & Waste Management Association*, San Diego, CA.
- Haste, T.L., Chinkin, L.R., Kumar, N., Lurmann, F.W., Hurwitt, S.B., 1998. Use of ambient data to evaluate a regional emission inventory for the San Joaquin Valley in California, Chow, J.C., Koutrakis, P., editors. *Air & Waste Management Association*, Pittsburgh, PA.
- Kaduwela, A.P., Hughes, V.M., Hackney, R.J., Jackson, B.J., Magliano, K.L., Ranzieri, A.J., 1998. Particulate matter formation in the San Joaquin Valley: Modeling of a winter episode. *91st Annual Meeting of the Air & Waste Management Association*, San Diego, CA.
- Koehler, J., 1998. Air emissions assessment and air quality permitting for a municipal waste landfill treating municipal sewage sludge. *91st Annual Meeting of the Air & Waste Management Association*, San Diego, CA.
- Lehrman, D.E., Smith, T.B., Knuth, W.R., 1998. California Regional PM<sub>10</sub>/PM<sub>2.5</sub> Air Quality Study (CRPAQS) 1995 Integrated Monitoring Study Data Analysis: Work element 2.2.2 Meteorological representativeness and Work element 2.2.3 Fog and low clouds characteristics. Prepared for California Air Resources Board, Sacramento, CA, by T&B Systems, Santa Rosa, CA.
- Magliano, K.L., Ranzieri, A.J., Solomon, P.A., Watson, J.G., 1998. Chemical mass balance modeling of data from the 1995 Integrated Monitoring Study. Prepared for California Regional PM<sub>10</sub>/PM<sub>2.5</sub> Air Quality Study, Sacramento, CA, by California Air Resources Board, Sacramento, CA.
- Pandis, S.N., Lillis, D., Collett, J.L., Richards, L.W., 1998. Fog effects on PM concentration and composition in the SJV. Prepared for California Air Resources Board, Sacramento, CA, by Carnegie Mellon University, Pittsburgh, PA.
- Schauer, J.J., Cass, G.R., 1998. Source contributions to airborne particles in the San Joaquin Valley during the IMS95 Study. Report No. 97-6PM. Prepared for California Air Resources Board, Sacramento, CA, by California Institute of Technology, Pasadena, CA.
- Strader, R., Pandis, S.N., Lurmann, F.W., 1998. Evaluation of secondary organic aerosol formation in winter. Prepared for California Air Resources Board, Sacramento, CA, by Carnegie Mellon University, Pittsburgh, PA.
- Turkiewicz, K., O'Brien, G., Rothacker, R., Montez, N., Motallebi, N., 1998. 1998 California particulate matter monitoring network description. California Air Resources Board, Sacramento, CA.  
<http://www.arb.ca.gov/aqd/pm25/ARB/state.pdf>.
- Watson, J.G., DuBois, D.W., DeMandel, R., Kaduwela, A.P., Magliano, K.L., McDade, C., Mueller, P.K., Ranzieri, A.J., Roth, P.M., Tanrikulu, S., 1998. Field program plan for the California Regional PM<sub>2.5</sub>/PM<sub>10</sub> Air

- Quality Study (CRPAQS). Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV. <http://sparc2.baaqmd.gov/centralca/publications.htm>.
- Watson, J.G., Chow, J.C., Moosmüller, H., Green, M.C., Frank, N.H., Pitchford, M.L., 1998. Guidance for using continuous monitors in PM<sub>2.5</sub> monitoring networks. Report No. EPA-454/R-98-012. Prepared for U.S. EPA, Research Triangle Park, NC, by Desert Research Institute, Reno, NV. <http://www.epa.gov/ttn/amtic/pmpolgud.html>.
- Zweidinger, R.B., Purdue, L., Fitzgerald, K., Carmichael, L., Kellogg, R., 1998. NERL PM research monitoring platforms - Baltimore, Fresno, and Phoenix. Data report. Report No. EPA/600/R-98/138; EPA-68-D2-0134. U.S. Environmental Protection Agency, Research Triangle Park, NC.
- Blanchard, C.L., Roth, P.M., Tanenbaum, S.J., 1997. Development of an observation-driven methodology for qualitatively characterizing the response of secondary aerosol to changes in emissions of ammonia, sulfur dioxide, and nitrogen oxides. ENVAIR, Albany, CA.
- Blumenthal, D.L., Lurmann, F.W., Roberts, P.T., Main, H.H., MacDonald, C.P., Knuth, W.R., Niccum, E.M., 1997. Three-dimensional distribution and transport analyses for SJVAQS/AUSPEX. Report No. STI-91060-1705-FR. Prepared for Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA.
- Campbell, S.G., Shimp, D.R., Francis, S.R., 1997. Spatial distribution of PM<sub>10</sub> emissions from agricultural tilling in the San Joaquin Valley. California Air Resources Board, Technical Support Division, Sacramento, CA.
- Carr, E.L., Gray, H.A., Guo, Z.T., Weir, B.R., 1997. San Joaquin Valley regional PM<sub>10</sub> study characterizing micrometeorological phenomena: Mixing and diffusion in low wind speed conditions. Prepared for California Air Resources Board, Sacramento, CA, by Systems Applications International, Inc., San Rafael, CA.
- Chow, J.C., Egami, R.T., 1997. San Joaquin Valley Integrated Monitoring Study: Documentation, evaluation, and descriptive analysis of PM<sub>10</sub>, PM<sub>2.5</sub>, and precursor gas measurements - Technical Support Studies No. 4 and No. 8 - Final report. Prepared for California Regional Particulate Air Quality Study, California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Dai, J., Rocke, D.M., 1997. Using GIS to evaluate spatial variations in area source emissions. *1997 ESRI User Conference*, San Diego, CA.
- Dye, T.S., Kwiatkowski, J.J., MacDonald, C.P., Ray, S.E., Chinkin, L.R., Lindsey, C.G., 1997. Measurement methods validation: Adequacy and validation of meteorological measurements aloft during IMS-95. Report No. STI-997218-1766-DFR. Prepared for California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA.
- Johnson, G.W., 1997. Beyond zip codes: outcome measuring in human services programs using geocoding. *Proceedings of the 1997 ESRI International User conference, San Diego, CA*. ESRI, Redlands, CA.
- Main, H.H., Richards, L.W., Hurwitt, S.B., Chinkin, L.R., 1997. Characterization of the spatial and temporal patterns of visibility in the San Joaquin Valley during IMS95. Report No. STI-997217-1768-DFR. Prepared for California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA.
- Massman, W., 1997. Estimating ozone deposition rates for areas of central California. Prepared for California Air Resources Board, Sacramento, CA, by USDA/Forest Service.
- McDade, C., 1997. Contributions of chemical constituents to visibility reduction, contributions of chemical constituents to light extinction budget, and contributions of emissions sources to light extinction budget.

- Report No. 97-7PM. Prepared for California Air Resources Board, Sacramento, CA, by ENSR, Inc., Camarillo, CA.
- Pandis, S.N., Cruz, C., 1997. Modeling of fog episodes during the 1995 Integrated Monitoring Study. Prepared for California Air Resources Board, Sacramento, CA, by Carnegie Mellon University Department of Chemical Engineering, Pittsburgh, PA.
- Richards, L.W., Pandis, S.N., Campos, T., 1997. Technical support study 11: Investigating the dynamics and chemistry of fog formation and dissipation - Phase II report - Measurement at the Candelabra Tower. Report No. STI-95090-1727. Prepared for California Air Resources Board, Sacramento, CA, by Sonoma Technology Inc., Santa Rosa, CA.
- Watson, J.G., Robinson, N.F., Lewis, C.W., Coulter, C.T., Chow, J.C., Fujita, E.M., Lowenthal, D.H., Conner, T.L., Henry, R.C., Willis, R.D., 1997. Chemical mass balance receptor model version 8 (CMB) user's manual. Prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC, by Desert Research Institute, Reno, NV. <ftp://eafs.sage.dri.edu/cmb80/model/>.
- Watson, J.G., Chow, J.C., Rogers, C.F., DuBois, D.W., Cahill, C.F., 1997. Analysis of historical PM<sub>10</sub> and PM<sub>2.5</sub> measurements in Central California. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Watson, J.G., Ashbaugh, L., Casuccio, G.S., Chow, J.C., Francis, S., Gaffney, P., Fine, J., Gill, T., Gillies, J.A., Higashi, R., Hopke, P.K., Kennedy, A., Lowenthal, D.H., Magliano, K., Roth, P.M., et al., 1997. The Fugitive Dust Characterization Study (FDCS): Potential methods and research needs for receptor methods to distinguish among fugitive dust sources. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Watson, J.G., Chow, J.C., DuBois, D.W., Green, M.C., Frank, N.H., Pitchford, M.L., 1997. Guidance for network design and optimal site exposure for PM<sub>2.5</sub> and PM<sub>10</sub>. Report No. EPA-454/R-99-022. U.S. Environmental Protection Agency, Research Triangle Park, NC. <http://www.epa.gov/ttn/amtic/pmstg.html>.
- Ashbaugh, L.L., Matsumura, R.T., James, T., Carvacho, O.F., Flocchini, R.G., 1996. Modeling PM<sub>10</sub> dust emissions from field harvest operations. *Proceedings, International Conference on Air Pollution from Agricultural Operations*. Midwest Plan Service, Kansas City, MO.
- Blanchard, C.L., 1996. Application of the smog production (SP) algorithm to data collected in the 1990 San Joaquin Valley Air Quality Study. Prepared for California Air Resources Board, Sacramento, CA, by Envair, Albany, CA.
- Chang, J.S., Jin, S., Li, Y., Beauharnois, M., Chang, K.H., Huang, H.C., Lu, C.H., Wojcik, G., Tanrikulu, S., DaMassa, J., 1996. The SARMAP Air Quality Model. Prepared for California Air Resources Board, Sacramento, CA, by University at Albany, State University of New York, Albany, NY.
- Fine, J.D., Roth, P.M., 1996. Causes of recent exceedences of the ozone standard in the San Francisco Bay Area, Project 3: Biogenic emissions. Report No. Task 1 report. Prepared for Western States Petroleum Association, Glendale, CA, by Envair, San Anselmo, CA.
- Fitz, D.R., Hering, S.V., 1996. Study to evaluate the CADMP Sampler. Final report. Report No. 93-333. Prepared for California Air Resources Board, Sacramento, CA, by CE-CERT, University of California, Riverside, CA.
- Massman, W., 1996. The California Ozone Deposition Experiment 1991 (CODE91). Prepared for California Air Resources Board, Sacramento, CA, by USDA/Forest Service.

- Matsumura, R.T., Ashbaugh, L.L., James, T., Carvacho, O.F., Flocchini, R.G., 1996. Size distribution of PM<sub>10</sub> soil dust emissions from harvesting crops. *Proceedings, International Conference on Air Pollution from Agricultural Operations*. Midwest Plan Service, Kansas City, MO.
- Myer, T.C., Guthrie, P.D., Wu, S.Y., 1996. The implementation of a plume-in-grid module in the SARMAP Air Quality Model (SAQM). Report No. SYSAPP-96/06. Prepared for California Air Resources Board, Sacramento, CA, by Systems Applications International, Inc.
- Reiss, R., Chinkin, L.R., Coe, D.L., DiSogra, C., 1996. Emission inventory of agricultural internal combustion engines used for irrigation in the SJVUAPCD - Preliminary draft report. Report No. STI-95240-1569-PDR. Prepared for San Joaquin Valley Unified Air Pollution Control District, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA.
- Seaman, N.L., 1996. Influence of the boundary layer on two terrain-forced meso-circulations: the Fresno eddy and the Schultz eddy. *7th Conference on Mountain Meteorology*. AMS.
- Seaman, N.L., Stauffer, D.R., 1996. SARMAP meteorological model. Prepared for California Air Resources Board, Sacramento, CA, by Pennsylvania State University, PA.
- Smith, T.B., Lehrman, D.E., Niccum, E.M., Hackney, R., 1996. Analysis of the San Joaquin Valley meteorological environment during high PM<sub>10</sub> loading. Prepared for California Air Resources Board, Santa Rosa, CA, by Technical and Business Systems, Inc., Santa Rosa, CA.
- Watson, J.G., 1996. PM<sub>10</sub> concentrations in Davenport, CA between April 15, 1988 and December 26, 1991. Prepared for RMC LONESTAR, Davenport, CA, by Worldwide Environmental Corporation, Reno, NV.
- Watson, J.G., Chow, J.C., Gillies, J.A., Moosmüller, H., Rogers, C.F., DuBois, D.W., Derby, J.C., 1996. Effectiveness demonstration of fugitive dust control methods for public unpaved roads and unpaved shoulders on paved roads. Report No. 685-5200.1F. Prepared for San Joaquin Valley Unified Air Pollution Control District, Fresno, CA, by Desert Research Institute, Reno, NV.
- California Air Resources Board, 1995. Determination of particle size distributions and chemical composition of particulate matter from selected sources in California. California Air Resources Board Study, by OMNI Environmental Services, Inc., Beaverton, OR.
- Grantz, D., Vaughn, D.L., Zhang, X.J., 1995. Biophysical field measurements to enhance interpretation of CODE-91 data set. Prepared for California Air Resources Board, Sacramento, CA, by University of California - Riverside Kearney Agricultural Center, Parlier, CA.
- Hagan, C., Reynolds, S., Roth, P., 1995. California Regional PM<sub>10</sub> Air Quality Study: Emissions Modeling Plan. Prepared for California Air Resources Board, Sacramento, CA, by Envair, San Rafael, CA.
- Solomon, P.A., Thuillier, R.H., 1995. SJVAQS/AUSPEX/SARMAP Air Quality Field Measurement Project, 1990 Volume I: Project overview. Final report. Report No. 009.9-94.1. Prepared for California Air Resources Board, Sacramento, CA, by PG&E, Environmental Health and Safety and Dept. of Research & Development, San Ramon, CA.
- Solomon, P.A., Thuillier, R.H., 1995. SJVAQS/AUSPEX/SARMAP Air Quality Field Measurement Project, 1990 Volume II: Field measurement characterization. Report No. 009.9-94.1. Prepared for California Air Resources Board, Sacramento, CA, by PG&E, Environmental Health and Safety and Department of Research & Development, San Ramon, CA.
- U.S.EPA, 1995. Operating procedure for the Sierra Series 244E dichotomous sampler. Environmental Monitoring Systems Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, Research Triangle Park, NC.

- Watson, J.G., Rogers, C.F., Chow, J.C., 1995. PM<sub>10</sub> and PM<sub>2.5</sub> variations in time and space. Report No. 4204.1F. Prepared for U.S. Environmental Protection Agency, Research Triangle Park, NC, by Desert Research Institute, Reno, NV.
- Arenstein, W.A., Facca, G., 1994. Reducing pollution from agricultural burning: A case study of the Sacramento Valley. *87th Annual Meeting of the Air & Waste Management Association*, Cincinnati, OH.
- Chow, J.C., Watson, J.G., 1994. Contemporary source profiles for geological material and motor vehicle emissions. Report No. DRI 2625.2F. Prepared for U.S. EPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC, by Desert Research Institute, Reno, NV.
- den Hartog, G., Mickle, R.E., Neumann, H.H., Dreary, A.J., Beavan, A., 1994. Final documentation report on vineyard measurements for the San Joaquin Valley Air Pollution Study Agency and Appendix III Tethersonde plots. Prepared for California Air Resources Board, Sacramento, CA, by Atmospheric Environment Service, Downsview, Ontario, Canada.
- Flocchini, R.G., Cahill, T.A., Matsumura, R.T., Carvacho, O.F., Lu, Z., 1994. Evaluation of the emission of PM<sub>10</sub> particulates from unpaved roads in the San Joaquin Valley. Report No. San Joaquin Valley Grant File #20960. Prepared for California Air Resources Board, Sacramento, CA, by University of California, Davis, CA.
- Fujita, E.M., Lawson, D.R., Sagebiel, J.C., Watson, J.G., Roberts, P.T., Roth, P.M., 1994. Quantification of underestimates in the SARMAP emissions inventory. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Gunter, R.L. (1994) Characterization of the optical properties of California aerosols during SJVAQS/AUSPEX. M.S. Thesis. University of Wyoming, Dept. of Atmospheric Science, Laramie, WY,.
- Holets, S., Fairley, D., Smith, T.B., 1994. Characterization of SJVAQS/AUSPEX field study ozone episodes, Draft report. Prepared for Pacific Gas & Electric Co., San Ramon, CA and San Joaquin Valleywide Air Pollution Study Agency, Fresno, CA, c/o Calif. Air Resources Board, by Pacific Gas and Electric Company, Dept. of Research & Development, San Ramon, CA.
- Lehrman, D.E., Smith, T.B., Knuth, W.R., Dorman, C.E., 1994. Meteorological analysis of the San Joaquin Valley Air Quality Study, Atmospheric Utilities Signatures, Predictions, and Experiments Program (SJVAQS/AUSPEX). Prepared for Pacific Gas & Electric Co., San Ramon, CA and San Joaquin Valley Air Pollution Study Agency, Fresno, CA c/o Calif. Air Resources Board, Sacramento, CA, by Technical and Business Systems, Inc., Santa Rosa, CA.
- Magliano, K.L., Lurmann, F.W., Fujita, E.M., Watson, J.G., 1994. Descriptive analysis and reconciliation of emissions and ambient hydrocarbon data. Prepared for California Air Resources Board, Sacramento, CA, by California Air Resources Board, Sacramento, CA.
- Mills, W.B., Loh, J.L., Shah, B., 1994. Evaluation of time-variable PM<sub>10</sub> concentrations in the ambient air of Yosemite Valley. *87th Annual Meeting of the Air and Waste Management Association*, Cincinnati, OH.
- Richards, L.W., 1994. Measurement of aerosol light scattering, light absorption, and size distributions during AUSPEX. Final report. Prepared for California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA.
- Rogozen, M.R., 1994. San Joaquin Valley Air Quality Study and AUSPEX program emissions data collection and inventory development work element 5 (stationary source). Prepared for California Air Resources Board, Sacramento, CA, by MBR Environmental, Culver City, CA.

- San Joaquin Valley Unified Air Pollution Control District, 1994. 1994 serious area PM<sub>10</sub> plan. San Joaquin Valley Unified Air Pollution Control District, Fresno, CA.
- Solomon, P.A., 1994. A comprehensive site description report for the summer 1990 San Joaquin Valley Air Quality Study and AUSPEX Field Study, Volumes I and II, Draft final report. Prepared for California Air Resources Board, Sacramento, CA, by Pacific Gas and Electric Company, Dept. of Research & Development, San Ramon, CA and California Air Resources Board, Sacramento, CA.
- Thuillier, R.H., Blumenthal, D.L., Roberts, P.T., Gertler, A.W., Watson, J.G., 1994. Meteorological field measurement program for SJVAQS/AUSPEX. Report No. Final Report No. 009. 2-93. 4. Pacific Gas and Electric Co., San Ramon, CA.
- Univ. of Calif., D., 1994. Standard operating procedures for PM<sub>10</sub> filter measurements: Study of fugitive PM<sub>10</sub> emissions from selected agricultural practices on selected agricultural soils. Evaluation of the emission of PM<sub>10</sub> particulates from unpaved roads in the San Joaquin Valley. Univ. of Calif., Davis, Air Quality Group, Crocker Nuclear Laboratory, Davis, CA.
- Blumenthal, D.L., Lurmann, F.W., Main, H.H., Prouty, J.D., Cleary, P.G., Start, G.E., Ricks, N.R., Thuillier, R.H., Solomon, P.A., Gertler, A.W., Watson, J.G., Pederson, J.R., 1993. Field program plan for the San Joaquin Valley Air Quality Study (SJVAQS) and the Atmospheric Utility Signatures, Predictions, and Experiments (AUSPEX) Program. Report No. STI-98020-1241-FR. Prepared for California Air Resources Board, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA.
- Chow, J.C., Watson, J.G., de Mandel, R., Chan, W., Cordova, J., Fairley, D., Fujita, E.M., Levaggi, D., Long, G., Perardi, T., Rothenberg, M., 1993. Measurements and modeling of PM<sub>10</sub> in San Francisco's Bay Area, Volume I: Program plan. Report No. DRI 3654.1D3. Prepared for Bay Area Air Quality Management District, San Francisco, CA, by Desert Research Institute, Reno, NV.
- Chow, J.C., Fujita, E.M., Lu, Z., 1993. Laboratory analysis data for the Bay Area PM<sub>10</sub> Study (Phase I). Prepared for Bay Area Air Quality Management District, San Francisco, CA, by Desert Research Institute, Reno, NV.
- Chow, J.C., Watson, J.G., Fujita, E.M., Lowenthal, D.H., Lu, Z., Frazier, C.A., Fairley, D., de Mandel, R., Long, G., Cordova, J., 1993. Results from the 1991-92 pilot study of wintertime PM<sub>10</sub> in the San Francisco Bay Area. *86th Annual Meeting of the AWMA*. Air and Waste Management Association, Denver, CO.
- Chow, J.C., Watson, J.G., Fujita, E.M., Lowenthal, D.H., Lu, Z., Frazier, C.A., Fairley, D., de Mandel, R., Long, G., Cordova, J., 1993. Results from the 1991-92 pilot study of wintertime PM<sub>10</sub> in the San Francisco Bay Area. Prepared for Bay Area Air Quality Management District, San Francisco, CA, by Desert Research Institute, Reno, NV.
- Gertler, A.W., Coulombe, W.G., DeWitt, D.A., 1993. Quality assurance report SJVAQS/AUSPEX. Report No. DRI 8403.4F1. Prepared for Pacific Gas and Electric Co., San Ramon, CA and San Joaquin Valley Joint Study Agency, San Joaquin, CA, by Desert Research Institute, Reno, NV.
- Gertler, A.W., Harrington, R.F., Chow, J.C., Watson, J.G., Tanner, R.L., Lu, Z., Henry, R.C., Grosjean, D., 1993. Receptor modeling of acidic air pollutants and oxidants to forested regions in the Sierra Nevada. Report No. DRI 0421.1F. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Magliano, K.L., Lurmann, F.W., Watson, J.G., 1993. Reconciliation of emissions inventory and ambient data in the San Joaquin Valley and the San Francisco Bay area. *86th Annual Meeting of the Air & Waste Management Association*, Denver, CO.



- Mitic, C.M. (1993) Spatial distribution and co-occurrence of surface-atmosphere exchange processes. McGill University, Macdonald Campus, Dept. of Natural Resource Science,.
- Ranzieri, A.J., Thuillier, R.H., 1993. Overview and status of the SARMAP modeling system. *86th Annual Meeting of the Air & Waste Management Association*, Denver, CO.
- Roth, P.M., Watson, J.G., 1993. A proposed PM<sub>10</sub> program for the San Joaquin Valley. Prepared for San Joaquin Valleywide Air Pollution Study Agency, Fresno, CA, by ENVAIR and Desert Research Institute, San Anselmo, CA and Reno, NV.
- Sierra Research Inc., 1993. SJVAQS/AUSPEX agricultural emissions inventory. Report No. SR93-04-01. Prepared for California Air Resources Board, Sacramento, CA, by Sierra Research, Inc., Sacramento, CA.
- State of California, D.o.W.R., 1993. California's 1987-92 drought. State of California, Department of Water Resources.
- Watson, J.G., Chow, J.C., 1993. Visibility in the Mojave Desert during the summer of 1990: Analysis of data from the Visibility Impact Study (VIS). Report No. 912104-D1. Prepared for Naval Weapons Center, China Lake, CA, by Worldwide Environmental Corporations, Reno, NV.
- Watson, J.G., Roth, P.M., Ziman, S.D., Neff, W.D., Magliano, K.L., Pederson, J.R., Solomon, P.A., Thuillier, R.H., 1993. Data analysis plan for the San Joaquin Valley Air Quality Study/Atmospheric Utilities Signatures, Predictions and Experiments (SJVAQS/AUSPEX) Program. Report No. DRI Document 8932-001.1F1. Prepared for Pacific Gas & Electric Co., San Ramon, CA, by Desert Research Institute, Reno, NV.
- AeroVironment Inc., 1992. Evaluation of hydrocarbon and carbonyl measurements, Vol. 1 of 2. Report No. AV-R-92/6007. Prepared for California Air Resources Board, Sacramento, CA, by AeroVironment, Inc., Monrovia, CA.
- AeroVironment Inc., 1992. Evaluation of hydrocarbon and carbonyl measurements, Data volume, Vol. 2 of 2. Report No. AV-R-92/6007. Prepared for California Air Resources Board, Sacramento, CA, by AeroVironment, Inc., Monrovia, CA.
- Anderson, J.A., Hansen, P.W., 1992. The 1990 Bay Area airborne sampling program for Pacific Gas & Electric Company's SJVAQS/AUSPEX Project. Report No. STI-90110-1201-DFR. Prepared for Pacific Gas & Electric Company, San Francisco, CA, by Sonoma Technology Inc., Santa Rosa, CA.
- Chow, J.C., Watson, J.G., Lowenthal, D.H., Lu, Z., Frazier, C.A., Pritchett, L.C., Hinsvark, B.A., 1992. San Joaquin Valley Air Quality Study (SJVAQS)/Atmospheric Utility Signatures - Predictions and Experiment (AUSPEX) monitoring and analysis for aerosols and visibility, Volume III: Aerosol measurements and data bases, Final report. Report No. DRI 8743.3F. Prepared for Pacific Gas and Electric Co., San Francisco, CA, by Desert Research Institute, Reno, NV.
- Cooper, F.I., Reisman, J.I., 1992. The air toxics problem in California: A summary of CARB, BAAQMD and SCAQMD ambient air monitoring data. *85th Annual Meeting of the Air and Waste Management Association*, Kansas City, MO.
- Delany, A., Semmer, S., Horst, T., Oncley, S., Martin, C., Massman, W., 1992. The ASTER deployment at the cotton site during the California Ozone Deposition Experiment, 1991 of the SJVAQS, Draft. Prepared for California Air Resources Board, Sacramento, CA, by National Center for Atmospheric Research, Boulder, CO.
- Fairley, D., 1992. SARMAP particulate summary statistics. Bay Area Air Quality Management District, San Francisco, CA.

- Fairley, D., de Mandel, R., Rothenberg, M., Perardi, T.E., 1992. Results from the 1991-92 pilot study of wintertime PM<sub>10</sub> in the San Francisco Bay Area. Report No. BAAQMD TM 92002. Bay Area Air Quality Management District, Planning and Research Division, San Francisco, CA.
- Horie, Y., Tranby, C., Rollin, L., Sidawi, S., 1992. Day-specific emissions inventory for the San Joaquin Valley Air Quality Study. Report No. 1072-F1. Prepared for San Joaquin Valley Air Pollution Study Agency, by Valley Research Corporation, Van Nuys, CA.
- Lindsey, C.G., Chen, J., 1992. Upper air meteorological measurements for the 1990 San Luis Obispo County Regional Ozone Study. Report No. STI-90054-1206-DFR. Prepared for Pacific Gas and Electric Company, San Francisco, CA, by Sonoma Technology Inc., Santa Rosa, CA.
- Midwest Research Institute, 1992. San Joaquin Valley fugitive dust demonstration project. Report No. EPA 68-DO-0123. Prepared for U.S. Environmental Protection Agency, Region 9, San Francisco, CA, by Midwest Research Institute, Kansas City, MO.
- Neff, W.D., Wilczak, J.M., 1992. The application of 915-MHz radar wind profilers to the study of transport in the atmospheric boundary layer. *Tenth Symposium on Turbulence and Diffusion*. AMS, Portland, OR.
- Neff, W.D., Wilczak, J.M., King, C.W., 1992. Development and evolution of the Fresno eddy as observed with a boundary layer profiler. *Sixth conference on mountain meteorology, Portland, OR*. AMS.
- Neumann, H.H., den Hartog, G., 1992. An assessment of errors in eddy flux dry deposition measurements for the San Joaquin Valley Air Quality Study.
- Rappolt, T.J., Quon, S.L., 1992. Perfluorocarbon tracer experiments performed in the San Joaquin Valley of California during the SJVAQS/AUSPEX Program - Summer of 1990. *85th Annual Meeting of the Air & Waste Management Association*, Kansas City, MO.
- Sadeghi, V.M., Dickson, R.J., 1992. AUSPEX ammonia emission inventory/data collection effort. Report No. RCN 264-100-01-11. Prepared for Radian Corp., Sacramento, CA, Pacific Gas & Electric Company, by Radian Corp., Sacramento, CA.
- Shaw, R.H., Paw U, K.T., 1992. Observation of dry deposition of ozone in the San Joaquin Valley. Prepared for California Air Resources Board, Sacramento, CA, by University of California, Davis, Dept. of Land, Air and Water Resources, Davis, CA.
- Sidawi, S., Horie, Y., 1992. Leaf biomass density for urban, agricultural, and natural vegetation in California's San Joaquin Valley. Report No. 1072-F2. Prepared for California Air Resources Board, Sacramento, CA, by Valley Research Corp., Van Nuys, CA.
- Sigma Research, 1992. Emission inventory development. Work element 3: Oil production, refining and stationary agricultural internal combustion engines, Final report. Prepared for California Air Resources Board, Sacramento, CA, by Sigma Research, Concord, MA.
- Start, G.E., Olson, G., 1992. Measurement site descriptions 1990 Field Measurement Program San Joaquin Valley Air Quality Study (SJVAQS) and Atmospheric Utility Signatures, Predictions, and Experiments (AUSPEX), Volumes 1 and 2. Final report. Prepared for California Air Resources Board, Sacramento, CA, by U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, ERL/ARL, Idaho Falls, Idaho.
- Takemoto, B.K., Bergen, M., Motallebi, N., Mueller, M., Maargolis, H., Prasad, S.B., 1992. The Atmospheric Acidity Protection Program: Annual report to the governor and the legislature, 1991. The effect of air pollution on crops in the San Joaquin Valley. CA EPA Air Resou Board Resea Div, CA.

- Tanner, R.L., Minor, T., Hatzell, J., Jackson, J., Rose, M.R., Zielinska, B., 1992. Emissions data collection and inventory development, work element 2: Development of a natural source emission inventory. Report No. 8303-009.1F1. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Wilczak, J.M., Zamora, R.J., Welsh, D.C., 1992. Wind profiler observations within California's San Joaquin Valley. *Sixth AMS conference on Mountain Meteorology, 29 Sep-2 Oct, Portland, OR.* AMS.
- Zimmerman, J.D., Reyff, J., 1992. Conducting air quality studies for transportation projects under current conformity and regulatory requirements in the San Francisco Bay area. *85th Annual Meeting of the Air & Waste Management Association*, Kansas City, MO.
- AeroVironment Inc., 1991. San Joaquin Valley Unified Air Pollution Control District PM<sub>10</sub> Non Attainment Area Plan (Vol. 1 of 2). Report No. AV-R-91/6221. AeroVironment Inc., Monrovia, CA.
- AeroVironment Inc., 1991. San Joaquin Valley Unified Air Pollution Control District PM<sub>10</sub> Non Attainment Area Plan (Vol. 2 of 2). Appendices A-G. Report No. AV-R-91/6221. AeroVironment Inc., Monrovia, CA.
- Arcado, T.D., 1991. Data report (O<sub>3</sub> and nitrogen oxide concentrations at cotton, grape and grass sites). Prepared for California Air Resources Board, Sacramento, CA, by Pacific Gas and Electric Company, Technical and Ecological Services, San Ramon, CA.
- Ashbaugh, L.L., Chow, J.C., Watson, J.G., 1991. Atmospheric acidity data quality and measurement characteristics for California's acid deposition monitoring program. *84th Annual Meeting of the Air & Waste Management Association*, Vancouver, BC, Canada.
- Blumenthal, D.L., Watson, J.G., 1991. SJVAQS/AUSPEX collaborative field study plan. *84th Annual Meeting of the Air & Waste Management Association*. Air and Waste Management Association, Vancouver, BC, Canada.
- Chow, J.C., Watson, J.G., Lowenthal, D.H., Richards, L.W., Solomon, P.A., Magliano, K.L., Ziman, S.D., 1991. Source apportionment of PM<sub>10</sub> aerosols collected in the San Joaquin Valley planning for SJVAQS/AUSPEX. *84th Annual Meeting of the Air and Waste Management Association*, Vancouver, BC, Canada.
- Countess, R.J., 1991. Comprehensive project report for Santa Barbara County PM<sub>10</sub> Emission Reduction Study. County of Santa Barbara APCD, by ABB Environmental Services, Inc., Camarillo, CA.
- Countess, R.J., 1991. Santa Barbara PM<sub>10</sub> Emission Reduction Study. *84th Annual Meeting of the Air & Waste Management Association*, Vancouver, BC, Canada.
- Harrington, R.F., Gertler, A.W., Amar, P., 1991. Network operations and preliminary monitoring results for the receptor modeling of acidic pollutants to forested regions of the Sierra Nevada Study. *84th Annual Meeting of the Air & Waste Management Association*, Vancouver, BC, Canada.
- Harrington, R.F., Gertler, A.W., 1991. Modeling the fate of atmospheric dry deposition in Sierra Nevada soils. *84th Annual Meeting of the Air & Waste Management Association*, Vancouver, BC, Canada.
- Levaggi, D.A., Siu, W., 1991. Gaseous toxics monitoring in the San Francisco Bay area: A review and assessment of four years of data. *84th Annual Meeting of the Air & Waste Management Association*, Vancouver, BC, Canada.
- Montague, D.C., 1991. Long range aerosol aircraft measurements during AUSPEX 1990. Report No. AS164. Prepared for Pacific Gas and Electric Company, San Ramon, CA, by University of Wyoming, Laramie, WY.

- Morgan, D.L., 1991. Data report to San Joaquin Valley Air Pollution Study Agency: Pibal observations in support of CODE. Prepared for California Air Resources Board, Sacramento, CA, by California State University, Fresno, Fresno, CA.
- San Joaquin Valley Unified Air Pollution Control District, 1991. Staff report on the PM<sub>10</sub> Attainment Plan. San Joaquin Valley Unified Air Pollution Control District, Fresno, CA.
- Thompson, M.J., Markovich, L.J., Dickson, R.J., 1991. Evaluation of current emissions estimating techniques for PM<sub>10</sub> (Task 2) for SARMAP emissions modeling system development. RADIANT Corporation, Sacramento, CA.
- Tracer Technologies, 1991. San Joaquin Valley Air Quality Study (SJVAQS) stage II field program tracer experiments. Prepared for San Joaquin Valleywide Air Pollution Study Agency, Fresno, CA, by Tracer Technologies, San Marcos, CA.
- Watson, J.G., Chow, J.C., Egami, R.T., Bowen, J.L., Frazier, C.A., Gertler, A.W., Lowenthal, D.H., Fung, K.K., 1991. Measurements of dry deposition parameters for the California Acid Deposition Monitoring Program. Report No. DRI 8068.2F1. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Wiley, J.A., Robinson, J.P., Piazza, T., Garrett, K., Cirksema, K., Cheng, Y.T., Martin, G., 1991. Activity patterns of California residents - final report. Report No. A6-177-33. Prepared for California Air Resources Board, Sacramento, CA, by University of California, Survey Research Center, Berkeley, CA.
- Bowen, J.L., Watson, J.G., Chow, J.C., Egami, R.T., Frazier, C.A., Gertler, A.W., 1990. Field operations manual for the California Acid Deposition Monitoring Program: Meteorology, ozone, and dry deposition. Report No. DRI 8068.1F3. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Chan, M., Moon, K.C., Chow, J.C., 1990. PM<sub>10</sub> monitoring in the San Joaquin Valley. Report No. AV-FR-89/6121. Prepared for San Joaquin Valleywide Air Pollution Study Agency, Madera, CA, by AV Projects, Inc., Monrovia, CA.
- Chinkin, L.R., Garelick, B., Fieber, J.F., Dickson, R.J., Wright, D.A., Oliver, W.R., 1990. Findings of technical support study number 5 of the San Joaquin Valley Air Quality Study. Report No. SYSAAP-90/011. California Air Resources Board, by Systems Applications, Inc., San Rafael, CA.
- Chow, J.C., Richards, L.W., 1990. San Joaquin Valley Air Quality Study/Atmospheric Utility Signatures - Predictions and Experiment (AUSPEX), Part E: Monitoring and analysis for aerosols and visibility, Volume II: Standard Operating Procedures. Report No. DRI 8743.1F. Prepared for Pacific Gas and Electric Company, San Francisco, CA, by Desert Research Institute, Reno, NV.
- Chow, J.C., Watson, J.G., Bowen, J.L., Frazier, C.A., Gertler, A.W., Hinsvark, B.A., Fung, K.K., 1990. Laboratory Operations Manual for the California Acid Deposition Monitoring Program: Sample pretreatment, sample preparation, and chemical analysis, Final report. Report No. DRI 8068.1F4. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Chow, J.C., Richards, L.W., 1990. San Joaquin Valley Air Quality Study (SJVAQS)/Atmospheric Utility Signatures - Predictions and Experiment (AUSPEX) monitoring and analysis for aerosols and visibility, Volume I: Program plan. Report No. DRI 8743.1F. Prepared for Pacific Gas and Electric Company, San Francisco, CA, by Desert Research Institute, Reno, NV.
- Chow, J.C., Watson, J.G., Lowenthal, D.H., Pritchett, L.C., Richards, L.W., 1990. San Joaquin Valley Air Quality Study, Phase 2: PM<sub>10</sub> modeling and analysis, Volume I: Receptor modeling source apportionment. Report

- No. DRI 8929.1F. Prepared for San Joaquin Valley Air Pollution Study Agency c/o California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Daly, C., 1990. Development of a model to estimate biogenic hydrocarbon emissions for air quality studies: Appendix A to emissions modeling plan for AUSPEX/SJVAQS. Report No. SYSAPP-90/014. California Air Resources Board, by Systems Applications, San Rafael, CA.
- Gertler, A.W., Watson, J.G., Chow, J.C., 1990. Program plan for receptor modeling of acidic air pollutants and oxidants to forested regions in the Sierra Nevada. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Gertler, A.W., Coulombe, W.G., de Witt, D., 1990. San Joaquin Valley Air Quality and Atmospheric Utility Signatures, Predictions and Experiments Study Standard Operating Procedures Evaluation Report. Prepared for California Air Resources Board, Sacramento, CA and Pacific Gas and Electric Co., San Ramon, CA, by Desert Research Institute, Reno, NV.
- Hubbe, J.M., 1990. Assessing procedures for estimating deposition rates for pollutants of interest. Prepared for California Air Resources Board, Sacramento, CA, by Battelle Pacific Northwest Laboratories.
- Morris, R.E., Kessler, R.C., Chinkin, L.R., Douglas, S.G., 1990. Modeling plan for the San Joaquin Valley Air Quality Study. Report No. SYSAPP-90/033. Systems Applications, Inc, San Rafael, CA.
- Pacific Gas and Electric C, 1990. Modeling Plan for the SJVAQS/AUSPEX Project. Report No. 5256-001-001. Pacific Gas & Electric Company, by ENSR Consulting and Engineering and Systems Applications, San Rafael, CA.
- Roberts, P.T., Smith, T.B., Lindsey, C.G., Lehrman, D., Knuth, W., 1990. Analysis of San Joaquin Valley air quality and meteorology. Report No. STI-98101-1006-FR. Prepared for California Air Resources Board, Technical Support Division, Sacramento, CA, by Sonoma Technology, Inc., Santa Rosa, CA.
- Seigneur, C., Morris, R.E., Kessler, R.C., Chinkin, L.R., 1990. Conceptual plan for the SJVAQS/AUSPEX project. Report No. 5256-001-001. Prepared for Systems Applications, Inc., San Rafael, CA, Pacific Gas & Electric Company, by Systems Applications, Inc., San Rafael, CA.
- Smith, T.B., 1990. Comments on episode forecasting for the San Joaquin Valley.
- Tesche, T.W., Et Al, E., 1990. Improvements of procedures for evaluating photochemical models. California Air Resources Board, by .
- Watson, J.G., Chow, J.C., Egami, R.T., Bowen, J.L., Frazier, C.A., Gertler, A.W., Fung, K.K., 1990. Program plan for the California Dry Deposition Monitoring Program. Report No. DRI 8068.1F1. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Ashbaugh, L.L., Watson, J.G., Chow, J.C., 1989. Estimating fluxes from California's dry deposition monitoring data. *82nd Annual Meeting of the Air & Waste Management Association*, Anaheim, CA.
- Bowen, J.L., 1989. Quality assurance plan for Sacramento Area Ozone Study. Report No. DRI Document No. 8690-1D1. Prepared for Sonoma Technology Inc., Santa Rosa, CA, by Desert Research Institute, Reno, NV.
- Hoffman, M.R., Collett, J.L., Daube, B.C., Jr., 1989. Characterization of cloud chemistry and frequency of canopy exposure to clouds in the Sierra Nevada. Report No. A6-185-32. Prepared for California Air Resources Board, Sacramento, CA, by California Institute of Technology, Pasadena, CA.

- Houck, J.E., Goulet, J.M., Chow, J.C., Watson, J.G., 1989. Chemical source characterization of residential wood combustion emissions in Denver, Colorado; Bakersfield, California; and Mammoth Lakes, California. *82nd Annual Meeting*. Air & Waste Management Association, Pittsburgh, PA.
- Houck, J.E., Chow, J.C., Watson, J.G., Simons, C.A., Pritchett, L.C., Goulet, J.M., Frazier, C.A., 1989. Determination of particle size distribution and chemical composition of particulate matter from selected sources in California. Report No. A6-175-32. Prepared for California Air Resources Board, Sacramento, CA, by OMNI Environmental Services Inc. and Desert Research Institute, Beaverton, OR and Reno, NV.
- Houck, J.E., Chow, J.C., Ahuja, M.S., 1989. The chemical characterization of agricultural sources of PM<sub>10</sub> particles in the San Joaquin and Imperial Valleys of California. *82nd Annual Meeting of the Air & Waste Management Association*, Anaheim, CA.
- Ireson, R.G., Watson, J.G., Chow, J.C., 1989. Issues in determining causes of, and developing control strategies for, high PM<sub>10</sub> concentrations in the San Joaquin Valley and South Coast air basins. Report No. SYSAPP/88-151. Prepared for Western Oil and Gas Association, Los Angeles, CA, by Systems Applications, Inc., San Rafael, CA.
- Roberts, P.T., Main, H.H., 1989. The measurement of pollutant and meteorological boundary conditions: Technical support study Number 10. Report No. STI-98030-920FR. Prepared for San Joaquin Valley Air Pollution Study Agency, by Sonoma Technology Inc., Santa Rosa, CA.
- AeroVironment Inc., 1988. Program plan for monitoring PM<sub>10</sub> levels in the San Joaquin Valley. Report No. AV-SP-87/246R2. Prepared for Chevron USA, Inc., San Ramon, CA, by AeroVironment Inc., Monrovia, CA.
- Atkinson, R., Arey, J.B., Winer, A.M., Zielinska, B., 1988. A survey of ambient concentrations of selected polycyclic aromatic hydrocarbons (PAH) at various locations in California. California Air Resources Board, by Statewide Air Pollution Research Center, University of California, Riverside, CA.
- Moore, G.E., Morris, R.E., Douglas, S.G., 1988. Application of a Regional Oxidant Model to Central California. Report No. 1. Systems Applications, Inc., San Rafael, CA.
- Roth, P.M., Blumenthal, D.L., Roberts, P.T., Watson, J.G., Yocke, M., Souten, D., Ireson, R.G., Chinkin, L.R., Whitten, G.Z., Daly, C., Smith, T.B., 1988. A proposed concept and scope for the San Joaquin Valley Air Quality Study. Report No. STI 96040-710FR1. Sonoma Technology, Inc., Santa Rosa, CA.
- Trijonis, J.C., McGown, M., Pitchford, M.L., Blumenthal, D.L., Roberts, P.T., White, W.H., Macias, E.S., Weiss, R.E., Waggoner, A.P., Watson, J.G., Chow, J.C., Flocchini, R.G., 1988. The RESOLVE project: Visibility conditions and causes of visibility degradation in the Mojave desert of California. Prepared for Naval Weapons Center, China Lake, CA, by Santa Fe Research Corporation, Bloomington, MN.
- Chow, J.C., Watson, J.G., 1987. Relationships between secondary aerosols and photochemical factors in California's San Joaquin Valley. *80th Annual Meeting of the Air Pollution Control Association*, New York, NY.
- Chow, J.C., 1987. Quality assurance project plan for the determination of particle size distributions and chemical composition of particulate matter from selected sources in California, Part II: Laboratory operations. Report No. DRI 8069.1F1. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Dea, J.Y., Watson, J.G., 1987. WOGA Aerosol Data Base Users' Manual. Report No. 6687.1F2. Western Oil and Gas Association, by Desert Research Institute, Reno, NV.

- Freeman, D.L., Robinson, N.F., Watson, J.G., Chow, J.C., Egami, R.T., 1987. Level I PM<sub>10</sub> assessment package user's guide. Report No. 8066.2F. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Ipps, D.T., 1987. Nature and causes of the PM<sub>10</sub> problem in California. Technical Support Division, California Air Resources Board, Sacramento, CA.
- Moore, G.E., Morris, R.E., Daly, C., 1987. Application of a regional air quality model to the California San Joaquin Valley. Report No. SYSAPP-87/155. Systems Applications, Inc., San Rafael, CA.
- Temple, P.J., 1987. Effects of acidic fog and ozone on jeffrey pine and giant sequoia. *XIX Annual Air Pollution Workshop*, Helena, MT.
- Watson, J.G., Dea, J.Y., Blumenthal, D.L., Lehrman, D.E., 1987. WOGA aerosol data base description. Report No. DRI 6687.3F2. Prepared for Western Oil and Gas Association, Los Angeles, CA, by Desert Research Institute, Reno, NV. <http://charon.cira.colostate.edu/DRIFinal/ZipFiles/>.
- Watson, J.G., Chow, J.C., Freeman, D.L., Egami, R.T., Roberts, P., Countess, R.J., 1987. Model and data base description for California's Level I PM<sub>10</sub> assessment package. Report No. DRI 8066-002.1F1. Prepared for California Air Resources Board, Sacramento, CA, by Desert Research Institute, Reno, NV.
- Watson, J.G., Gertler, A.W., Prowell, G.H., Chow, J.C., Hering, S.V., Richards, L.W., Blumenthal, D.L., 1987. Causes of secondary aerosol in the San Joaquin Valley determined from the WOGA aerosol data base. Report No. 6687-4F1. Prepared for Western Oil and Gas Association, Los Angeles, CA, by Desert Research Institute, Reno, NV.
- Flessel, P., Liu, K.S., Guirguis, G.N., Chang, K.I., Cheng, J., Lecocq, J., Lu, W.T., Unger, C.D., 1986. Relationships between mutagenic aerosols and meteorology in Contra Costa County, California. *79th Annual Meeting of the Air Pollution Control Association*, Minneapolis, MN.
- Laird, L.B., Taylor, H.E., Lombard, R.E., 1986. Data on snow chemistry of the Cascade-Sierra Nevada Mountains. Report No. OPEN-FILE 86-61. U.S. Geological Survey, U.S. Department of the Interior, Lakewood, CO.
- McGown, M., Pitchford, M.L., Harnkul, S., Trijonis, J.C., 1986. RESOLVE data summary: Quarterly reports. Report No. 2. Environmental Monitoring System Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, Las Vegas, NV.
- McGown, M., Pitchford, M.L., Harnkul, S., Trijonis, J.C., 1986. RESOLVE data summary: Annual report. Report No. 1. Environmental Monitoring System Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, Las Vegas, NV.
- Ashbaugh, L.L., Fujita, E.M., Ahuja, M.S., Sanders, J., Tonnessen, K.A., Westerdahl, D., 1985. Third annual report to the Governor and the Legislature on the Air Resources Board's Acid Deposition Research and Monitoring Program. Acid Deposition and Aerosol Research Section, California Air Resources Board, Sacramento, CA.
- Blumenthal, D.L., Smith, T.B., Lehrman, D.E., Rasmussen, R.A., Whitten, G.Z., Baxter, R.A., 1985. Southern San Joaquin Valley Ozone Study. Report No. STI 94100-510-FR. Prepared for Western Oil & Gas Association (WOGA), Los Angeles, CA, by Sonoma Technology Inc., Santa Rosa, CA.
- U.S.EPA, 1985. San Joaquin Valley Modeling Study - Phase 1, Summary of currently available information. U.S. Environmental Protection Agency, by Engineering-Science, Arcadia, CA.

- Blumenthal, D.L., Trijonis, J.C., 1984. Visibility monitoring in the southern California desert. Report No. NWC TP 6566. Department of Defense: Research on Operations-Limiting Visual Extinction (RESOLVE Protocol Second Update), by Naval Weapons Center, China Lake, CA.
- Constantino, J.P., Casuccio, G.S., 1984. The relationship between particulate matter collected by collocated D<sub>50</sub> PM<sub>10</sub> and Hivol samplers. *77th Annual Meeting of the Air Pollution Control Association*, San Francisco, CA.
- Grantz, J.A., 1984. Comparison of results from fine particulate samplers near a major steel works. *77th Annual Meeting of the Air Pollution Control Association*, San Francisco, CA.
- Hayes, T.P., Kinney, J.J.R., Wheeler, N.J.M., 1984. California Surface Wind Climatology. California Air Resources Board, Sacramento, CA.
- Hesketh, H.E., Kolaz, D.J., 1984. A comparison of the mass and chemical components found on high volume TSP, PM<sub>15</sub> and PM<sub>10</sub> samples. *77th Annual Meeting of the Air Pollution Control Association*, San Francisco, CA.
- John, W., Wall, S.M., Wesolowski, J.J., 1984. Assessment of dry acid deposition in California. Report No. CA/DOH/AIHL/SP-31. California Department of Health Services, Berkeley, CA.
- John, W., Wall, S.M., Ondo, J.L., 1984. Measurements of dry acid deposition in California. *77th Annual Meeting of the Air Pollution Control Association*, San Francisco, CA.
- Meyer, E.L., Freas, W.P., Pace, T.G., Thrall, A.D., Hudischewskyj, A.B., Burton, C.S., 1984. Rationale for selecting a distribution reflecting the variability of PM<sub>10</sub>/TSP relationships. *77th Annual Meeting of the Air Pollution Control Association*, San Francisco, CA.
- Myrup, L.O., Flocchini, R.G., 1984. Diurnal nature of aerosol transport from the Los Angeles Basin and southern San Joaquin Valley into the Mojave Desert. *77th Annual Meeting of the Air Pollution Control Association*, San Francisco, CA.
- Oliver, W.R., Lundberg, G.W., Banks, J.D., 1984. Biogenic hydrocarbon emissions in the southern San Joaquin Valley air basin. Report No. SYSAPP-84/195. Systems Applications, Inc., San Rafael, CA.
- Sanders, J., Fujita, E.M., Tonnessen, K.A., Westerdahl, D., Ashbaugh, L.L., Ahuja, M.S., Robertson, C., 1984. The Second Annual Report to the Governor and the Legislature on the Air Resources Board's Acid Deposition Research and Monitoring Program. California Air Resources Board, Sacramento, CA.
- Sistek, R.E., 1984. Development of an ambient PM<sub>10</sub> monitoring network considering instrument precision and sampler intercomparison. *77th Annual Meeting of the Air Pollution Control Association*, San Francisco, CA.
- Smith, T.B., Saunders, W.D., Takeuchi, D.M., 1984. Application of climatological analyses to minimize air pollution impacts in California. California Air Resources Board, by Meteorological Research, Inc., Altadena, CA.
- Trijonis, J.C., Watson, J.G., Waggoner, A.P., Weiss, R.E., 1984. RESOLVE monitoring program plan evaluation using historical data and error analysis. Prepared for Naval Weapons Center, China Lake, CA, by Santa Fe Research Corp, Bloomington, MN.
- Dept of Trans, U.S., 1983. California 1982 daily vehicle miles of travel for arterial and collector highways based on HPMS data. California Department of Transportation, Division of Highways and Programming.
- Melack, J.M., Stoddard, J.L., Dawson, D.R., 1983. Tech. Completion Rep. Proj. Report No. UCLA WRC-W-590. California Water Resources Center, Davis, CA.



- Penner, J.E., Walton, J.J., Umeda, T., 1983. Air quality model validation: Application to the San Francisco Bay Area and St. Louis. *76th Annual Meeting of the Air Pollution Control Association*, Atlanta, GA.
- Winer, A.M., Fitz, D.R., Miller, P.R., Atkinson, R., Brown, D.E., Carter, W.P.L., Dodd, M.C., Johnson, C.W., Myers, M.A., Neisess, K., Poe, M.P., Stephens, E.R., 1983. Investigation of the role of natural hydrocarbons in photochemical smog formation in California. Report No. A0-056-32. California Air Resources Board, by Statewide Air Pollution Research Center, University of California, Riverside, CA.
- Cowherd, C., 1982. Particulate emission reductions from road paving in California oil fields. *Proceedings, 75th Annual Meeting of the Air Pollution Control Association*, New Orleans, LA.
- Trijonis, J.C., Cass, G.R., McRae, G.J., Horie, Y., Lim, W.Y., Chang, N., Cahill, T.A., 1982. Analysis of visibility aerosol relationships and visibility modeling/monitoring alternatives for California. Prepared for Technology Service Corporation, Sante Fe, NM, California Air Resources Board, by Technology Service Corporation, Sante Fe, NM.
- Heisler, S.L., 1981. Central valley aerosol study. California Air Resources Board, by Environmental Research and Technology, Westlake Village, CA.
- Heisler, S.L., Baskett, R.L., 1981. Particle sampling and analysis in the California San Joaquin Valley. Report No. ERT P-5381-701. California Air Resources Board, by Environmental Research & Technology, Inc., Westlake Village, CA.
- Lehrman, D.E., Smith, T.B., Reible, D.D., Shair, F.H., 1981. A study of transport into, within, and out of coastal areas of Southern Santa Barbara county and Ventura county. California Institute of Technology to Ventura County Air Pollution Control District, by .
- Lehrman, D.E., Smith, T.B., Reible, D.D., Shair, F.H., 1981. Transport and dispersion of airborne pollutants into and within the Sacramento Valley. California Air Resources Board with California Institute of Technology, by .
- Ouimette, J.R. (1981) Aerosol chemical species contributions to the extinction coefficient. Ph.D.Dissertation, California Institute of Technology, Pasadena, CA
- Pitt, R., Shawley, G., 1981. San Francisco Bay Area National Urban Runoff Project. A demonstration of nonpoint source pollution management on Castro Valley Creek: Executive summary. Report No. PB83-163097. Prepared for Association of Bay Area Governments (ABAG), Berkeley, CA, by Alameda County Flood Control and Water Conservation District, Hayward, CA.
- Pitts, J.N., Fitz, D.R., Harger, W.P., Lokensgard, D.M., Shaffer, S.D., 1981. Geographical and temporal distribution of atmospheric mutagens in California. Report No. ARB-R-82/166. California Air Resources Board, Sacramento, CA.
- Smith, T.B., Lehrman, D.E., Reible, D.D., Shair, F.H., 1981. The origin and fate of airborne pollutants within the San Joaquin Valley. Joint final report. California Air Resources Board, by and California Institute of Technology, Pasadena, CA.
- Smith, T.B., Lehrman, D.E., Reible, D.D., Shair, F.H., 1981. The origin and fate of airborne pollutants within the San Joaquin Valley: Extended summary and special analysis topics. Report No. 2. California Air Resources Board, by and the California Institute of Technology, Pasadena, CA.
- Smith, T.B., Lehrman, D.E., Reible, D.D., Shair, F.H., 1981. The origin and fate of airborne pollutants within the San Joaquin Valley: Executive summary. Report No. I. California Air Resources Board, by California Institute of Technology, Pasadena, CA.

- Trijonis, J.C., 1981. Visibility in California final report. California Air Resources Board, by Technology Service Corporation, Santa Monica, CA.
- Watson, J.G., Chow, J.C., Shah, J.J., 1981. Analysis of inhalable and fine particulate matter measurements. Report No. EPA-450/4-81-035. U.S. Environmental Protection Agency, Research Triangle Park, NC.
- Zannetti, P., 1981. Development, validation and application of AVKERN model. Report No. AV-R-80/603R. Prepared for Western Oil and Gas Association, Los Angeles, CA, by AeroVironment, Diamond Bar, CA.
- California Air Resources Board, 1979. Summary of California upper air meteorological data. California Air Resources Board.
- California Air Resources Board, 1979. California surface wind climatology. California Air Resources Board.
- California Air Resources Board, 1979. SIP revision - San Joaquin Valley air basin. California Air Resources Board.
- Duckworth, S., Kinney, J.R., 1978. Visibility trends in the Great Central Valley of California 1958-1977. Technical Services Division, California Air Resources Board, Sacramento, CA.
- Flocchini, R.G., Cahill, T.A., Eldred, R.A., Ashbaugh, L.L., Barone, J.B., 1978. Sulfur size distribution by season and site in California. *71st Annual Meeting of the Air Pollution Control Association*, Houston, TX.
- California Air Resources Board, 1977. The areal representativeness of air monitoring stations - Fresno Study Phase I (oxidant). California Air Resources Board.
- Miller, R.F., Clawson, W.J., Fairbank, W.C., Deal, A.S., 1974. Feedlot sanitation in the San Joaquin Valley. Cooperative Extension, University of California.
- Willis, R.A., Williams, P.T., 1972. A study of the low-level jet stream of the San Joaquin Valley (Project Lo-Jet). U.S. Dept. of Commerce, Salt Lake City, UT.
- Cylke, T.R., 1970. The destruction of surface based inversions by wind shear turbulence over northern Nevada. *Conference on Sierra Nevada Meteorology*. American Meteorological Society, S. Lake Tahoe, CA.
- Feth, J.H., Rogers, S.M., Roberson, C.E., 1964. Chemical composition of snow in the northern Sierra Nevada and other areas. Report No. 535-J. U.S. Department of Interior, Geological Survey, Washington, DC.